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(54) Title: NEMORUBICIN AS RADIOSENSITIZER IN COMBINATION WITH RADIATION THERAPY AGAINST TUMORS

(57) Abstract: The present invention relates to a morpholinyl anthracycline derivative for use as radiosensitizer, to be administered in combination with radiation therapy, so that a synergistic effect can be revealed.

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# INTERNATIONAL SEARCH REPORT

International Application No

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/704 A61P35/00 A61K31/282

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, EMBASE, BIOSIS, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	WO 03/082267 A (TURS JENNIFER MARGARET ; FOWST CAMILLA (IT); GERONI MARIA CRISTINA RO) 9 October 2003 (2003-10-09) page 1, paragraph 1 page 4, paragraph 3 - page 4, line 21	1-15
X	"The combination of nemorubicin with cisplatin and mitomycin C is synergistic in experimental tumor models" November 2002 (2002-11), EUROPEAN JOURNAL OF CANCER, PERGAMON PRESS, OXFORD, GB, PAGE(S) S20 , XP004403486 ISSN: 0959-8049 abstract	1-18
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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International Application No.  
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KABUTO M ET AL: "'Antitumor effect of MX2, a new morpholino anthracycline against C6 glioma cells and its combination effect with photodynamic therapy in vitro!" October 1995 (1995-10), NO TO SHINKEI. BRAIN AND NERVE. OCT 1995, VOL. 47, NR. 10, PAGE(S) 969 - 973 , XP009033767 ISSN: 0006-8969 abstract	1-3,6-15
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X	----- "Properties of the new anthracycline derivative containing modified daunosamine moiety" EUROPEAN JOURNAL OF CANCER, PERGAMON PRESS, OXFORD, GB, vol. 38, November 2002 (2002-11), pages S19-S20, XP004403485 ISSN: 0959-8049 abstract	1-15
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International Application No  
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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Y	BONNER J A ET AL: "Doxorubicin decreases the repair of radiation-induced DNA damage" 1990, INTERNATIONAL JOURNAL OF RADIATION BIOLOGY 1990 UNITED KINGDOM, VOL. 57, NR. 1, PAGE(S) 55-64 , XP009033771 ISSN: 0020-7616 abstract	1-15
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Information on patent family members

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